

PRELIMINARY REPORT
INDUSTRY SERIES1982
Census of
Construction IndustriesCC82-I-25(P)
Issued March 1984INSTALLATION OR ERECTION OF BUILDING EQUIPMENT
SPECIAL TRADE CONTRACTORS, N.E.C.
(Industry 1796)

During 1982, the establishments with paid employees classified in this industry accounted for \$4,440 million in total business receipts. Of this amount, \$4,372 million were receipts for construction work. These establishments paid out \$1,130 million for materials, components, supplies, and fuels and \$229 million for construction work subcontracted to others. This industry had total average employment of 62,641 employees with total payroll of \$1,508 million. Value added for 1982 was \$3,080 million.

Establishments classified in this industry are primarily engaged in the installation of building equipment, not elsewhere classified, such as elevators, escalators, pneumatic tube systems, and dust collection equipment. For specific examples, refer to the 1972 Standard Industrial Classification (SIC) Manual, and its 1977 supplement, published by the Office of Management and Budget, Executive Office of the President.

For this census, a "construction establishment" was defined as a relatively permanent office or other place of business at which or from which the usual business activities related to construction were conducted. A separate census report was required from each establishment but not from each construction site. Instead, the data for work at each site were included in the report from the appropriate office or branch office. Foreign construction activities were not included in this census.

The 1982 estimates for establishments with paid employees in all of the construction industries are based on reports from a probability sample of approximately 172,000 establishments selected from a universe of about 498,000 construction establishments with payroll. The data obtained from the sample were weighted to represent all construction establishments with payroll. Complete descriptions of the sampling and estimating procedures will be included in the final reports.

Since the data in this report are based on a sample, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same questionnaires and procedures. The relative standard error shown in the tables is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population was surveyed.

All data shown are based on current dollars for the years specified and have not been adjusted for inflation.

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Table 1. General Statistics for Establishments With Payroll by States: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

Location of establishment	1982							
	Number of establishments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†
		All	Construction workers	All employees	Construction workers			
A	B	C	D	E	F	G	H	
United States	3 753	62 641	50 928	1 508 215	1 191 427	87 510	4 372 292	4 142 442
Alabama	65	1 121	896	26 450	20 801	1 503	63 336	59 071
Alaska	7	98	82	3 021	2 406	105	11 586	11 468
Arizona	14	178	144	5 128	4 257	272	13 509	13 085
Arkansas	23	250	221	5 510	4 690	366	17 130	15 939
California	330	6 912	5 465	191 745	149 646	8 949	491 057	466 143
Colorado	48	821	653	21 188	17 019	1 166	65 801	64 738
Connecticut	81	1 301	1 134	24 258	20 670	1 931	81 174	77 067
Delaware	14	154	127	2 903	2 248	234	8 620	7 515
District of Columbia	7	87	66	2 269	1 564	125	6 136	(D)
Florida	154	2 558	2 157	51 199	42 711	3 747	169 995	167 118
Georgia	129	1 991	1 680	40 261	32 111	3 022	114 251	110 634
Hawaii	13	449	333	11 058	8 757	503	31 430	30 960
Idaho	12	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Illinois	168	3 213	2 488	92 255	73 897	4 574	226 855	217 488
Indiana	79	853	686	20 108	15 867	1 182	47 190	45 397
Iowa	65	530	417	10 185	7 684	699	41 714	38 290
Kansas	36	373	304	9 119	6 995	567	27 516	26 787
Kentucky	48	784	655	17 795	14 485	1 248	51 777	48 946
Louisiana	57	1 364	1 106	31 513	23 794	1 946	95 706	94 710
Maine	7	160	130	4 017	3 200	259	9 941	9 081
Maryland	54	1 154	976	32 406	26 370	1 849	99 670	97 291
Massachusetts	103	1 367	1 131	31 367	25 562	1 966	84 253	81 102
Michigan	155	2 065	1 650	54 167	42 980	2 681	184 420	140 521
Minnesota	87	1 124	882	28 823	21 937	1 483	79 958	76 892
Mississippi	41	294	259	4 605	3 996	436	16 639	16 047
Missouri	70	923	757	22 883	18 013	1 213	66 213	62 954
Montana	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Nebraska	36	283	231	6 679	5 359	388	18 497	17 291
Nevada	12	139	107	4 114	3 515	142	9 867	9 555
New Hampshire	12	171	136	3 893	3 098	247	12 009	11 779
New Jersey	175	2 601	2 050	61 249	46 716	3 674	185 822	175 886
New Mexico	13	171	145	4 035	3 395	236	11 012	(D)
New York	274	6 258	5 064	157 336	123 714	8 613	427 680	411 786
North Carolina	83	1 020	807	17 077	12 254	1 442	58 541	57 306
North Dakota	7	66	54	1 723	1 391	86	4 337	4 310
Ohio	174	2 747	2 239	58 037	45 214	3 151	147 667	141 924
Oklahoma	47	688	588	15 802	12 490	1 028	52 788	52 120
Oregon	62	885	730	23 242	18 126	1 037	68 260	(D)
Pennsylvania	210	6 227	5 027	154 002	118 114	8 536	423 560	390 039
Rhode Island	24	151	123	3 549	2 903	217	13 023	(D)
South Carolina	48	722	617	14 292	11 767	1 163	37 788	35 821
South Dakota	18	(D)	40	(D)	796	56	3 024	3 004
Tennessee	70	1 215	977	25 318	19 877	1 787	76 476	73 456
Texas	330	5 353	4 546	119 211	97 953	8 407	435 804	427 724
Utah	18	196	154	4 631	3 407	249	11 740	10 167
Vermont	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Virginia	69	1 172	973	25 836	20 409	1 797	80 665	78 679
Washington	68	721	556	18 913	14 418	870	56 411	54 045
West Virginia	30	324	274	7 659	6 574	477	28 317	(D)
Wisconsin	93	1 084	872	30 987	24 697	1 592	80 318	77 632
Wyoming	-	-	-	-	-	-	-	-

1982—Con.						1977			Relative standard error of estimate (percent) for column—			Location of establishment
Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††				
I	J	K	L	M	N	O	P	Q	B	H	M	
3 080 076	1 130 330	229 849	44 988	49 073	458 664	40 474	1 899 047	1 385 046	(W)	(W)	1	U.S.
46 948	15 127	4 265	677	478	11 544	573	36 839	25 195	4	2	(W)	Ala.
9 181	(D)	118	76	185	1 582	(D)	(D)	(D)	(W)	(W)	(W)	Alaska
8 422	4 685	424	47	629	2 073	344	11 651	10 266	(W)	(W)	(W)	Ariz.
11 566	(D)	*1 191	128	34	1 119	224	9 181	6 429	9	3	(W)	Ark.
357 404	116 353	24 914	5 103	6 210	45 120	4 607	226 011	172 759	1	(W)	(W)	Calif.
41 086	23 919	1 063	534	513	3 682	462	23 862	16 654	4	3	2	Colo.
62 627	14 493	4 107	1 646	625	7 007	712	29 352	22 852	3	3	(W)	Conn.
4 935	2 723	1 105	84	6	1 533	75	2 811	1 997	2	2	(W)	Del.
4 213	1 628	(D)	57	(D)	418	246	14 810	9 710	(W)	-	-	D.C.
113 941	54 106	2 877	1 577	2 505	12 958	824	44 754	32 480	3	1	1	Fla.
75 491	36 177	3 617	1 402	1 211	12 000	1 191	49 922	32 732	3	1	9	Ga.
25 907	5 106	470	251	(D)	2 062	194	13 019	9 408	(W)	(W)	-	Hawaii
(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)	-	-	-	Idaho
167 035	52 171	9 367	1 934	1 720	19 479	3 008	147 282	114 886	1	1	3	Ill.
36 242	11 106	1 793	598	959	9 026	751	38 050	28 051	6	3	14	Ind.
25 974	12 851	3 424	531	706	10 123	338	15 354	9 572	8	9	8	Iowa
15 936	11 011	*729	137	64	1 845	261	11 966	8 803	9	9	(W)	Kans.
32 676	(D)	2 831	676	843	7 876	811	30 513	22 882	5	3	5	Ky.
66 082	(D)	996	1 282	1 919	15 516	808	34 153	28 382	1	(W)	(W)	La.
6 258	(D)	860	48	54	1 585	152	5 347	3 348	(W)	(W)	(W)	Maine
71 592	25 832	2 379	568	752	5 661	896	48 665	34 471	3	2	3	Md.
56 906	24 731	3 151	696	984	7 237	971	42 699	30 417	3	2	3	Mass.
120 314	21 394	43 899	1 726	1 417	18 670	1 698	97 002	67 694	2	1	(W)	Mich.
55 914	(D)	3 066	710	1 269	10 152	1 049	43 550	34 294	3	3	1	Minn.
9 843	(D)	592	93	367	3 007	268	9 623	5 274	13	6	24	Miss.
44 606	18 586	3 259	476	499	4 838	700	40 702	29 275	4	2	13	Mo.
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-	-	Mont.
13 492	3 894	1 206	127	47	1 682	393	11 581	8 406	5	3	(W)	Nebr.
7 655	1 900	311	98	109	1 356	73	3 569	3 068	2	4	(W)	Nev.
8 674	(D)	230	136	128	889	80	3 535	2 722	15	7	22	N.H.
126 298	54 329	9 935	1 661	1 997	14 697	1 640	82 406	58 621	2	1	2	N.J.
8 400	1 723	(D)	139	(D)	1 118	(D)	2 403	1 859	2	-	-	N. Mex.
322 436	94 949	15 894	4 697	4 479	46 929	4 932	217 331	160 564	1	(W)	2	N.Y.
39 460	19 460	1 235	299	266	8 698	761	30 007	19 934	7	4	4	N.C.
2 952	(D)	27	(D)	(D)	(D)	(D)	1 029	(D)	(W)	(W)	-	N. Dak.
109 428	36 125	5 743	1 283	2 525	23 849	1 961	93 200	66 327	1	1	7	Ohio
36 398	17 057	668	557	(D)	6 729	401	17 654	10 503	5	4	-	Okla.
41 025	20 061	(D)	930	475	5 058	438	20 128	13 975	1	-	3	Oreg.
330 925	70 445	33 521	6 279	2 586	43 267	2 421	115 221	88 565	1	(W)	7	Pa.
8 192	4 648	(D)	51	40	607	101	4 310	2 855	5	-	(W)	R.I.
25 642	10 814	1 967	387	880	6 133	649	21 972	14 610	2	4	3	S.C.
(D)	(D)	20	23	(D)	376	(D)	1 754	939	-	8	-	S. Dak.
50 595	25 876	3 020	841	1 092	9 646	770	29 893	19 456	3	2	(W)	Tenn.
281 056	151 174	8 080	3 218	4 930	37 884	2 407	106 462	79 022	2	1	5	Tex.
6 867	4 518	*1 573	38	*302	1 274	105	4 354	3 103	17	17	51	Utah
(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	-	-	-	Vt.
56 335	22 772	1 986	458	466	4 758	513	20 028	14 095	3	1	(W)	Va.
38 874	15 391	2 366	668	769	8 324	314	20 821	14 858	7	4	10	Wash.
15 737	8 390	(D)	319	62	2 451	328	14 372	8 497	5	-	(W)	W. Va.
63 590	16 929	2 685	1 281	1 775	14 176	790	42 639	29 936	2	3	4	Wis.
-	-	-	-	-	-	(D)	1 297	725	-	-	-	Wyo.

Table 2. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

Item	1982	1977	Relative standard error of estimate (percent)	
			1982	1977
Total construction receipts -----	4 372 292	1 899 047	(W)	1
Building construction -----	3 486 877	1 666 168	(W)	(W)
Apartment buildings with two or more apartments -----	363 374	196 780	(W)	1
Other residential buildings -----	148 600	105 146	(W)	1
Industrial buildings and warehouses -----	987 984	515 776	1	1
Office and bank buildings -----	1 140 318	411 249	(W)	(W)
Stores, restaurants, public garages, and automobile service stations -----	254 215	102 977	2	1
Educational buildings -----	124 717	86 990	1	1
Hospitals and institutional buildings -----	261 028	184 429	1	2
Other nonresidential buildings -----	206 641	25 737	1	5
Nonbuilding construction -----	465 584	146 267	1	4
Blast furnaces, petroleum refineries, and chemical complexes -----	58 267	54 264	3	10
Power plants -----	337 756	46 070	(W)	(W)
Other nonbuilding construction -----	69 561	45 933	9	2
Construction work, n.s.k. -----	419 830	86 651	1	4

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The following abbreviations and symbols are used in the tables in this publication:

- * Sampling error exceeds 40 percent.
- ** All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.
- Represents zero.
- † Represents total construction receipts less payments for construction work subcontracted to others.
- †† Represents all business receipts less payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels. In SIC's 1531 and 6552, land receipts are also subtracted from "all business receipts."
- (D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
- (NA) Not available.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.
- (W) Greater than zero but less than 1 percent.
- (X) Not applicable.
- n.s.k. Not specified by kind.

